



ChemMasters®

TextureDOT™ & TextureDOT™ Smooth

Acrylic Coating with Silane
For Concrete and Masonry Surfaces

SPECIALTY CONSTRUCTION PRODUCTS

P R O D U C T D A T A

DESCRIPTION

ChemMasters' **TextureDOT** & **TextureDOT Smooth** are heavily bodied, decorative, 100% acrylic emulsion concrete coatings with and without sand texture, formulated to be tough, durable, resistant to alkali/acid, and water repellent. For non-wearing horizontal or vertical surfaces. **TextureDOT** contains sand for heavier texture.

USES

- Decorative/protective coating for interior, exterior, vertical, overhead, concrete and masonry surfaces.
- Poured and formed walls, block, brick, cement plaster, stucco, wall board and sheet rock
- Sealing jersey and median barriers, sound deflection walls, bridge abutments and retaining walls
- Decorative water repellent finish
- TexturedDOT** (with sand texture) finish hides defects in the substrate

ADVANTAGES

- Superior color stability under harsh ultraviolet light exposure
- Contains penetrating silane for long term protection from water ingress
- Excellent hiding power minimizes minor surface imperfections and defects
- Resistant to stains, dirt, and atmospheric pollutants
- Provides uniformly colored textured finish
- Exceptional moisture vapor transmission
- Will not crack or peel
- Expansion and contraction characteristics compatible with concrete and masonry surfaces
- Durable - outlasts standard paints 2:1
- Available in 9 standard colors or any federal color for DOT applications with or without sand texture

- Curing/Sealing Efficiency: ASTM C309, Type 2, Class B and ASTM C1315, Type II Class A
- U.S.D.A. approved for incidental contact in federally inspected meat, fish, and poultry plants.

Physical and Test Data

V.O.C content	<100 g/L
% Solids	72 to 76
Freeze Thaw 300 cycles (1.5 hrs in water; 4.5 hrs @ 5°F; 2 hrs @ 50°F)	No evidence of degradation
Weather-Ometer Model XWR-CAM # R-47102-18	Weathering: 2,000 hours no evidence of degradation
Blister Box Method @ 2,000 hours	No evidence of blistering, peeling, or loss of adhesion
Fade-Ometer Atlas Model FO 1352LV	Fading: 100 hrs no change vs. control
ASTM D2794 Impact Resistance	No coating failure or chipping
Mandrel Test Flexibility	No breakage of coating @ 180°F over 1" mandrel
ASTM B117 Salt Spray Resistance @ 2,000 hours	No signs of deterioration or loss of bond Absorption < 0.6
ASTM C672 Scaling Resistance	No scaling after 50 cycles
NCHRP 244, Series II Cube Test Weight gain Absorbed chloride (Compared to Untreated Cubes)	< 15% of untreated cubes < 15% of untreated cubes
NCHRP 244, Series IV Southern Exposure	Absorbed chloride: < 10% of untreated sample
ASTM D-1653 Moisture Vapor Transmission	Exceeds minimum 3 perms
ASTM D 4541 Adhesive Pull Off Strength	150 to 175 psi
ASTM E84 Smoke Density fuel contribution, flame speed	All < 25 NFPA Class A

Packaging / Estimating Guide

Container	Part Number
5 gal (18.9 L)	F3115.05
55 gal (208 L)	F3115.55

TECHNICAL DATA

- Federal Specification TT-C-55 B, Coating Textured, Type I or II
- Complies with National Volatile Organic Compound (V.O.C.) Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59



ChemMasters®

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300 EDWARDS STREET • MADISON, OHIO 44057-3112 (440) 428-2105 • FAX (440) 428-7091 • ORDERLINE: (800) 486-7866 www.chemmasters.net

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**Estimating Guide ft²/gal (m²/L)
Dependant upon surface condition**

Texture	Smooth
50 (1.25)	150 to 200 (3.6 to 5)

DIRECTIONS

Surface Preparation for hardened concrete: The performance of **Texture DOT** is dependent on the quality of the substrate preparation. All surfaces must be free of soot, dirt, form release agents, grease, waxes, laitance, efflorescence, and any other foreign matter. Any chalking, oxidation, or unsound substrate must be removed prior to coating. Repair all holes, cracks, and mortar joints with **ChemPatch VO1** and/or caulk with an acrylic joint sealant. Incidental metal and wood surfaces must be primed and sealed; metal with a rust inhibiting primer and wood with a high quality primer sealer. Prepare the surface via water-blast, sandblast, or soda-blast. Preparation should expose the sand matrix portion of concrete and leave a surface texture consistent with 100 grit sandpaper. Then air broom or power sweep the surface to remove dust and sand from the surface and to clear the opened pores. Contact ChemMasters for advice on pretreatment of powdery surfaces. If there is any doubt a test patch should be applied.

For use as a CURING Compound: **TextureDOT** must be applied after all bleed water has dissipated (approximately 1.5 hours after final finish). If not applied at this time, the surface must be prepared as directed in Surface Preparation for Hardened Concrete. Refer to State specifications or plan notes for coverage requirements.

Mixing: **TextureDOT** is packaged ready to use. Do not thin with water or solvent. Blend well using a mechanical drill and paddle type mixing prop to properly disperse aggregate and pigment. Stir occasionally during application to maintain uniform color and texture.

GENERAL APPLICATION:

Apply When: The temperature is a minimum 5°F (2.7°C) above the dew point (dew point is critical to successful application.) prior to application and will remain above the dew point for a minimum of 4 hours after application of **TextureDOT**. Do not apply to frozen, frosted, or dew/fog covered surfaces. The ambient temperature must be at or above 45°F (7°C) for at least 6 hours after application. Under very hot, dry, or windy conditions the surface may be fog sprayed with potable water to make application easier.

How to Apply:

TextureDOT Textured

Use a brush, heavy nap roller, or spray equipment equipped with a texture gun, 8 mm nozzle with a fine finish tip capable of fluid pressures of 50 psi. Graco's GTX 2000/ GM1030/ President 10:1 texture units or equal are recommended. Avoid buildup in roller ends to prevent lap marks. For best appearance the final strokes should be applied in a single direction. A second coat may be applied within 2 to 4 hours after the first depending on weather conditions.

TextureDot Smooth

Apply using standard, 0.060 to 0.055" tip, airless spray 1300 psi equipment, brush or roller. Avoid buildup in roller ends to prevent lap marks. Finish area with strokes in one direction. A second coat is recommended and may be applied within 2 to 4 hours after the first, depending on weather conditions.

CLEAN UP

Clean tools and equipment immediately after use with warm water and soap or detergent.

LIMITATIONS

Do not apply when:

- the surface or air temperature is or is expected to be below 45° F (7°C) within 6 hours of application.
- temperature at the time of application is within 5°F(2.7°C) of the dew point
- dew, fog, or high humidity is expected within 4 hours of application.
- rain is expected within 24 hours of application
- if surface is frozen or frost filled

- Not recommended for waterproofing or damp proofing of exterior or horizontal surfaces, floors, or below grade interior walls.
- Do not apply in areas of immersion or where a negative head pressure may exist.
- Application in direct sunlight or during times of extreme heat may cause wrinkling, pinholes, or blistering.
- Schedule application for early morning or late afternoon when ambient and substrate temperatures are at their lowest.
- Do not use strong caustic or solvent based cleaner. For additional data on good coating practice consult SSPC, NACE, or ICRI.
- Not recommended for waterproofing or damp proofing of exterior or horizontal surfaces, floors or below grade interior walls. Iron particles in block, brick or mortar may cause discoloration through the coating
- Keep from freezing.

STORAGE

Keep from freezing. Store tightly sealed containers in warm dry area on pallets at temperatures above 40°F (4°C) and below 95°F (34°C). Shelf life of properly stored material is one year from date of manufacture.

Precautions:

WARNING: May be harmful if swallowed. Causes eye irritation. May be harmful if inhaled. May cause respiratory irritation. Consult safety data sheet for complete hazard information.

For professional use only.
Keep out of the reach of children.

This Product is Formulated and Labeled for Industrial and Commercial Use Only

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT MATERIAL SAFETY DATA SHEET AND PACKAGE LABEL FOR THIS PRODUCT. We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.